Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number 10682013 Filing Date 2003-10-09 INFORMATION DISCLOSURE First Named Inventor Joseph Michael Christie STATEMENT BY APPLICANT **Art Unit** 2004 2616 (Not for submission under 37 CFR 1.99) **Examiner Name** unknown Attorney Docket Number 1119a3

				U.S	PATENTS	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
p	1	4970721		1 99 0-11-13	Aczel et al.	
P	2	5278972		1994-01-11	Baker et al.	
	3	5590133		1996-12-31	Billström et al.	
	4	5610977		1997-03-11	Williams et al.	
	5	5689555		1997-11-18	Sonnenberg	
	6	5715239		1998-02-03	Hyodo et al.	
	7	5774675		1998-06-30	Uchida	
	8	5793857		1998-08-11	Barnes et al.	

Application Number 10682013 Filing Date 2003-10-09 INFORMATION DISCLOSURE First Named Inventor Joseph Michael Christle STATEMENT BY APPLICANT Art Unit 2664 (Not for submission under 37 CFR 1.99) **Examiner Name** unknown Attorney Docket Number 1119a3 on 9 5915009 1999-06-22 Williams et al. If you wish to add additional U.S. Patent citation information please click the Add button. **U.S.PATENT APPLICATION PUBLICATIONS** Pages, Columns, Lines where Examined Cite Kind Publication Name of Patentee or Applicant **Publication Number** Relevant Passages or Relevant Initial* No Code¹ Date of cited Document Figures Appear 1 If you wish to add additional U.S. Published Application citation information please click the Add button. **FOREIGN PATENT DOCUMENTS** Pages, Columns, Lines Name of Patentee or Examined Cite Foreign Document Country Kind **Publication** where Relevant Applicant of cited Initial* Number³ No **T**5 Code2 i Code4 Date Passages or Relevant Document Figures Appear 1 П If you wish to add additional Foreign Patent Document citation Information please click the Add button **NON-PATENT LITERATURE DOCUMENTS** Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item Examiner Cite (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), Initials* Nο **T**5 publisher, city and/or country where published. 1 If you wish to add additional non-patent literature document citation information please click the Add button **EXAMINER SIGNATURE Examiner Signature** ATIT PATE Date Considered *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a

citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (07-05)
Approved for use through 07/31/2008. OMB 0651-0031

_		Under the Pape	work Red	ction Act of 1995, no persons	U.S. Patent and Trad engrequired to respond to a collection	iomark Office; U.S. DEPARTA of information unless it contains a	VIENT OF COMMERCE	<u> </u>	
	Substitute	9 for form 1448A/				Complete If Known			
	NICO				Application Number	10/682,013	RECE	IVE	ED.
				CLOSURE	Filing Date	10/09/2003	CENTRAL F		
	STA	rement	BY A	PPLICANT	Pirst Named Inventor	Joseph Michael Ch		ro	,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		4.	_		Art Unit	2684-7416	MAY 0	0 2	วกกร
_		(Use as many	sheets as	nocessary)	Examiner Name		- ININI	J	2000
\	Sheet	1	_ of	2	Altorney Docket Number	1119a3		,	

			U.S. PATENT	OCUMENTS	
Examinor City No.		Document Number Number - Kind Code ² (If Innovn)	Publication Date MEA-DD-YYYY	Name of Patenties or Applicant of Class Decument	Pages, Columns, Lines, Where Relever Passages or Relevant
gr	1	US-4,991,169	02/05/1991	Davis et al.	Figures Appear
	2	US- 5,268,895	12/07/1993	Topper	
	3	US-5,586,177	12/17/1996	Farris et al.	
	4	US- 5,838,261	06/03/1997	Fils	
_	5	US- 5,850,391	12/15/1998	Essigmann	
	6	US- 5,856,334	09/21/1999	Chu et al.	
	7	US- 6,014,378	01/11/2000	Christie et al.	
\perp	8	US- 6.137,800	10/24/2000	Wiley et al.	
	9	US- 6,487,200	11/26/2002	Fraser	
V	10	US- 5,546,442	04/08/2003	Davis et al.	
		US-			****
		US-			
		UŞ-			
		US-			

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	O Alberton	Name of Patentoc or	Pages, Columns, Lines,			
Initials"	No.1	Country Code* - Number* - Kind Code* (if impwn)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	7°		
₽·C	11	JP 7177061	07/14/1995	Kazuma et al.				
								
			-					
					<u> </u>			

Examiner		Date	1 .	
Signature	A-TIM DAMA			
Ciffigurità	MIST WATEL	Considered	C 1 101 00 1	
A	U colomosa complete de la compansa de la colombia d			
TEXAMINER IN India	# ####################################			

"EXAMINER: Initial I reference considered, whether or not citation is in conformance with MPEP 608. Draw line through chapen if not in conformance and not considered, brighted copy of this form with next communication to applicant. "Applicant's unique citation designation number (optional)." See Kinds Codes of USPTO Patient Documents at https://www.uspin.gov or MPEP 801.04. "Enter Office that issued the document, by the buo-tester code (MIPO Standard ST.3). "For Japaness patient documents, the indication of the year of the patient of the temperor must precede the serial number of the patient document." It find of document by the optoprists symbols as indicated on the document under WIPO Standard ST. 16 trip possible. "Applicant is to piace a check may be not if English tunguage This collection of information is required by 37 CFR 1.87 and 1.85. The information is required to obtain or retain a benefit by the public which is to tile (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the emount of time your require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissionar for Patients, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9189 and salect option 2.

(Use as many sheets as necessary)

of 2

AST GATE

Sheet

Signature

1450.

5/10/07

PTO/SB/08B(07-05) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Officer; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number Substitute for form 1449B/PTO Complete If Known RECEIVED Application Number 10/682,013 INFORMATION DISCLOSURE Filing Date 10/09/2003 **CENTRAL FAK CENTER** STATEMENT BY APPLICANT First Named Inventor Joseph Michael Christie Art Unit 2006 2664 W/6 MAY U B

Examiner Name

Attorney Docket Number 1119a3 NON PATENT LITERATURE DOCUMENTS include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue T 2 Initials * No. number(s), publisher, city and/or country where published. HIROSHI ISMII and MASATOSHI KAWARASAKI; B-ISDN Signalling Protocol Capabilities; NTT Telecommunication Networks Laboratories; 1989; pages 41.2.1 - 41.2.5. 00 12 Examiner Date

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to piace a check mark here if English language Transistion is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case, any comments on the amount of time you require to complete this form analys suggestions for reducing this burden, should be sent to the Chtef Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commence, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-

Considered

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

work Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449APP & TRAC

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet of

•	Complete if Known	
Application Number	10/682,013	
Filing Date	10/09/2003	
First Named Inventor	Joseph Michael Christie	
Art Unit	2664-2616	
Examiner Name		
Attorney Docket Number	1119a3	

-			U.S. PATENT D		
Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant
	1	Number - Kind Code ² (# known)	04/40/4000	Obodondos et al	Figures Appear
<u>@n</u>	2	US- 4,720,850	01/19/1988	Oberlander et al. Johnson et al.	
}	3	US- 4,730,312	03/08/1988 04/05/1988		
 	4	US- 4,736,364	05/31/1988	Basso et al. Gopal et al.	
 -	5	US- 4,748,658 US- 4,757,526	07/12/1988	Foster et al.	
	6	US- 4,763,317	08/09/1988	Lehman et al.	
	: 7	US- 4,853,955	08/01/1989	Thorn et al.	
 	8	US- 5,003,584	03/26/1991	Benyacar et al.	
-	9	US- 5,048,081	09/10/1991	Gavaras et al.	
	10	US- 5,051,983	09/24/1991	Kammerl	
1	11	US- 5,089,954	02/18/1992	Rago	
1	12	US- 5,115,427	05/19/1992	Johnson, Jr. et al.	
+	13	US- 5,185,743	02/09/1993	Murayama et al.	
- 	14	US- 5,204,857	04/20/1993	Obara	
+	15	US- 5,251,255	10/05/1993	Epley	
1	16	US- 5,258,979	11/02/1993	Oomuro et al.	
1	17	US- 5,271,010	12/14/1993	Miyake et al.	
	18	US- 5,274,635	12/28/1993	Rahman et al.	
1	19	US- 5,282,244	01/25/1994	Fuller et al.	•
	20	US- 5,289,472	02/22/1994	Cho	
- 	21	US- 5,291,492	03/01/1994	Andrews et al.	
- 	22	US- 5,327,421	07/05/1994	Hiller et al.	
\dashv	23	US- 5,339,318	08/16/1994	Tanaka et al.	· · · · · · · · · · · · · · · · · · ·
+	24	US- 5,345,443	09/06/1994	D'Ambrogio et al.	
-	25	US- 5,345,445	09/06/1994	Hiller et al.	
	26			Hiller et al.	
		US- 5,345,446	09/06/1994		<u> </u>
	27	US- 5,363,433	11/08/1994	Isono	
	28	US- 5,375,124	12/20/1994	D'Ambrogio et al.	
	29	US- 5,377,186	12/27/1994	Wegner et al.	
\bot	30	US- 5,392,402	02/21/1995	Robrock, II	
	31	US- 5,420,858	05/30/1995	Marshall et al.	
	32	US- 5,422,882	06/06/1995	Hiller et al.	
	33	US- 5,425,090	06/13/1995	Omiss	
	34	US- 5,428,609	06/27/1995	Eng et al.	
	35	US- 5,434,852	07/18/1995	La Porta et al.	·
T	36	US- 5,434,981	07/18/1995	Lenihan et al.	
	37	US- 5,438,527	08/01/1995	Feldbaumer et al.	
_	38	US- 5,440,626	08/08/1995	Boyle et al.	
1	39	US- 5,444,713	08/22/1995	Backaus et al.	
+ +	40	US- 5,452,297	09/19/1995	Hiller et al.	
+ 1	41	US- 5,452,350	09/19/1995	Reynolds et al.	
+	42	US- 5,457,684	10/10/1995	Bharucha et al.	
 	43	US- 5,459,722	10/17/1995	Sherif	
+			11/21/1995	Otsuka	
+	44	US- 5,469,501		D'Amato et al.	
	45	US- 5,473,677	12/05/1995		
4	46 47	US- 5,473,679 US- 5,483,527	12/05/1995 01/09/1996	La Porta et al. Doshi et al.	

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE or respond to a collection of information unless it contains a valid OMB control number.

Substitute	e for form 1449/	VPTO		Complete if Known				
	FORMATION DISCLOSURE		•	Application Number	10/682,013			
INFC	PRMATIC	ON DIS	CLOSURE	Filing Date	10/09/2003			
STA	TEMENT	BY AF	PPLICANT	First Named Inventor	Joseph Michael Christie			
				Art Unit	2664 1616			
	(Use as man	y sheets as i	necessary)	Examiner Name				
Sheet	2	of	4	Attorney Docket Number	1119a3			

			U.S. PATENT D		
Examiner Initials	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant
	<u> </u>	Number - Kind Code ² (If known)			Figures Appear
θ 0	48	US- 5,495,484	02/27/1996	Self et al.	
	49	US- 5,509,010	04/16/1996	La Porta et al.	
	50	US- 5,519,707	05/21/1996	Subramanian et al.	
-	51	US- 5,519,690	05/21/1996	Suzuka et al.	
	52	US- 5,530,724	08/25/1996	Abrams et al.	
	53	US- 5,537,461	07/16/1996	Bridges et al.	
	54	US- 5,541,917	07/30/1996	Farris	
	55 56	US- 5,550,834	08/27/1996 08/27/1996	D'Ambrogio et al. Clarke et al.	
	57	US- 5,550,914	10/08/1996	La Porta et al.	
	58	US- 5,563,939 US- 5,566,173	10/15/1996	Steinbrecher	
	59	US- 5,568,475	10/22/1996	Doshi et al.	
	60	US- 5,577,037	11/19/1996	Takatori et al.	
+	61	US- 5,579,311	11/26/1996	Chopping et al.	
	62	US- 5,592,477	01/07/1997	Famis et al.	
	63	US- 5,600,643	02/04/1997	Robrock, II	
	64	US- 5,619,561	04/08/1997	Reese	
-	65	US- 5,623,491	04/22/1997	Skoog	
	66	US- 5,635,980	06/03/1997	Lin et al.	
+-	67	US- 5,640,446	06/17/1997	Everett et al.	
	68	US- 5,673,262	09/30/1997	Shimizu	
+-	69	US- 5,689,550	11/18/1997	Garson et al.	
	70	US- 5,703,876	12/30/1997	Christie	
_	71	US- 5,706,286	01/06/1998	Reiman et al.	
+	72	US- 5,710,769	01/20/1998	Anderson et al.	
			04/28/1998	Mirville et al.	
	73	US- 5,745,553			
	74	US- 5,751,706	05/12/1998	Land et al.	
	75	US- 5,765,108	06/09/1998	Martin et al.	
	76	US- 5,784,371	07/21/1998	lwai	
	77	US- 5,793,765	08/11/1998	Boer et al.	
	78	US- 5,802,045	09/01/1998	Kos et al.	
	79	US- 5,825,780	10/20/1998	Christie	
	80	US- 5,867,495	02/02/1999	Elliott et al.	
	81	US- 5,867,562	02/02/1999	Scherer	
	82	US- 5,867,571	02/02/1999	Borchering	
	83	US- 5,872,785	02/16/1999	Klenberger	
	84	US- 5,884,262	03/16/1999	Wise et al.	
\neg	85	US- 5.892,764	04/06/1999	Riemann et al.	
	86	US- 5,926,464	07/20/1999	Fraser	
_	87	US- 5,940,393	08/17/1999	Duree et al.	
	88	US- 5,940,491	08/17/1999	Anderson et al.	
	89	US- 5,949,791	09/07/1999	Byers et al.	
-	90	US- 5,956,334	09/21/1999	Chu et al.	
- -	91	US- 5,991,301	11/23/1999	Christie	

. c)

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number.

Substitut	e for form 1449A	/PTO	<u> </u>		Complete if Known	
				Application Number	10/682,013	
INFC	PRMATIC	ON DIS	CLOSURE	Filing Date	10/09/2003	
STA	TEMENT	BY AF	PPLICANT	First Named Inventor	Joseph Michael Christie	
				Art Unit	2664 7616	
	(Use as many	/ sheets as i	necessary)	Examiner Name		
Sheet	3	of	4	Attorney Docket Number	1119a3	

U.S. PATENT DOCUMENTS								
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant			
Initials *	No.1	Number - Kind Code ² (# known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear			
00	92	US- 5,999,594	12/07/1999	Mizoguchi et al.				
7	93	US- 6,026,091	02/15/2000	Christie et al.				
	94	US- 6,034,950	03/07/2000	Sauer et al.				
	95	US- 5,999,525	12/07/1999	Krishnaswamy et al.				
	96	US- 6,069,890	05/30/2000	White et al.				
	97	US- 6,088,749	07/11/2000	Hebert et al.				
	98	US- 6,175,574	01/16/2001	Lewis				
1	99	US- 6,181,703	01/30/2001	Christie et al.				
	100	US- 6,324,179	11/27/2001	Doshi et al.				
	101	US- 6,487,200	11/26/2002	Fraser				
1/	102	US- 6,546,003	04/08/2003	Farris				

Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Initials*	No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁶ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T [®]
Q.	103	EP0439098 07/31/1991	Tanabe et al.			
	104	WO9214321	08/20/1992	Takase et al.		
	105	JP2215247	08/28/1990	. Tsuboi et al.		
T	106	JP1300738	12/05/1989	Suzuki et al.		
	107	JP1013534	01/18/1989	Kamio et al.		
	108	JP4180324	06/26/1992	Atsushi et al.		
	109	JP4196635	07/16/1992	Osahide		
-1	110	JP5327751	12/10/1993	Hyodo et al.		
	111	JP6006320	01/14/1994	Baba et al.		
	112	JP6209365	07/26/1994	Toshiro et al.		
	113	JP7250099	09/26/1995	Koshiro et al.		
	114	JP8149137	06/07/1996	Nakajima et al.		
	115	HU71152	11/28/1995	Hiller et al.		
1/	116	EP0935856	08/18/1999	Christie et al.		

Examiner Signature	AST PATE	Date Considered	5/10/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

The citiesting of Information is required by 27 CEP 1.97 and 1.98. The information is required to abtain a making a boards by the cities which is to find the language of the conformance and not considered.

rransation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Petert and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid CMB control number

Substitute for form 1449B/PTO Complete if Known Application Number 10/682,013 INFORMATION DISCLOSURE Filing Date 10/09/2003 STATEMENT BY APPLICANT First Named Inventor Joseph Michael Christie 2664 Art Unit 2616 (Use as many sheets as necessary) Examiner Name of 4 **Sheet** Attorney Docket Number 1119a3

	,	NON PATENT LITERATURE DOCUMENTS	,	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
Pr	KURIBAYASHI, SHIN-ICHI; Advanced Signaling Protocol for Broadband ISDN Services; Electronics and Communications in Japan; Part 1, Volume 78, Number 1, Pages 1-12.			
	118	Hungarian office action dated June 23, 1999 citing Hungarian patent number HU170127 for Hungarian Application No. P9900232; 2 pages.		
$\sqrt{}$	119	Russian office action dated April 22, 2002 citing Russian patent numbers RU2013011 and RU2007880 for Russian Application No. 99112956; 6 pages.		

			
Examiner Signature	AST PATE	Date Considered	5/10/07

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here it English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

BROADBAND TELECOMMUNICATIONS SYSTEM INTERFACE

Application Number:

10/682013

Confirmation Number:

7760

First Named Applicant:

Joseph Christie

Attorney Docket Number: 1119a3

Art Unit:

2664

Search string:

(4720850 or 4763317 or 5051983 or 5115427

or 5204857 or 5291492 or 5327421 or 5345445 or 5392402 or 5414701 or 5422882 or 5428609 or 5434852 or 5461669 or 5473677 or 5473679 or 5483527 or 5497373 or 5509010 or 5568475

or 5623491 or 5684792 or 5703876 or 5710769 or 5784371 or 5802045 or 5825780 or 5917815 or 5940491 or 5991301 or 6026091 or 6034972

or 6069890 or 6181703 or 6487200).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
Pn	1	4720850	1988-01-19	Oberlander et al.			
9	2	4763317	1988-08-09	Lehman et al.			
	3	5051983	1991-09-24	Kammerl) 		
	4	5115427	1992-05-19	Johnson, Jr., et al.			
	5	5204857	1993-04-20	Obara		•	
	6	5291492	1994-03-01	Andrews, et al.		•	
	7	5327421	1994-07-05	Hiller, et al.			
	8	5345445	1994-09-06	Hiller, et al.			
	9	5392402	1995-02-21	Robrock, II			
	10	5414701	1995-05-09	Shtayer, et al.			
	11	5422882	1995-06-06	Hiller, et al.			
	12	5428609	1995-06-27	Eng, et al.			
				·			

0	13	5434852	1995-07-18	LaPorta et al.	
	14	5461669	1995-10-24	Vilain	
	· 15	5473677	1995-12-05	D'Amato, et al.	
	16	5473679	1995-12-05	LaPorta, et al.	
	17	5483527	1996-01-09	Doshi, et al.	
	18	5497373	1996-03-05	Hulen et al.	
	19	5509010	1996-04-16	LaPorta, et al.	
	20	5568475	1996-10-22	Doshi, et al.	
	21	5623491	1997-04-22	Skoog	
	22	5684792	1997-11-04	Ishihara	
	23	5703876	1997-12-30	Christie	
	24	5710769	1998-01-20	Anderson, et al.	
	25	5784371	1998-07-21	lwai	
	26	5802045	1998-09-01	Kos .	
	27	5825780	1998-10-20	Christie	
	28	5917815	1999-06-29	Byers et al.	
	29	5940491	1999-08-17	Anderson, et al.	
	30	5991301	1999-11-23	Christie	
	31	6026091	2000-02-15	Christie, et al.	
	32	6034972	2000-03-07	Ward, et al.	
	33	6069890	2000-05-30	White, et al.	
	34	6181703	2001-01-30	Christie, et al.	
$ \mathbf{V} $	35	6487200	2002-11-26	Fraser	

Signature

Examiner Name	Date
AOIT GATEL	5710/0



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

BROADBAND TELECOMMUNICATIONS SYSTEM INTERFACE

Application Number:

10/682013

Confirmation Number:

7760

First Named Applicant:

Joseph Christie

Alloring

Attorney Docket Number: 1119a3

Art Unit:

2664

Search string:

(5592477 or 5635980 or 5640446).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
0 -	1	5592477	1997-01-07	Farris, et al.			
	. 2	5635980	1997-06-03	Lin, et al.			
	3	5640446	1997-06-17	Everett, et al.			

Remarks

Note: Remarks are not for responding to an office action.

Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the fiing of the information disclosure statement.

Signature

Examiner Name	Date
ASIA PATA	5/10/7